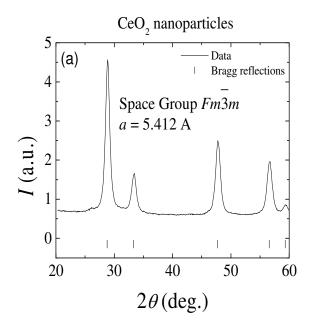
Supporting information



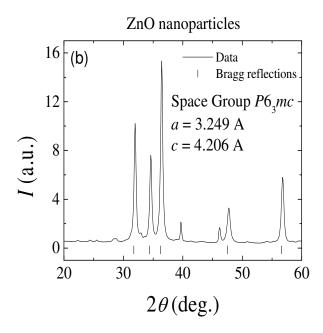


Figure 1. X-ray diffraction pattern of CeO_2 and ZnO nanoparticles. Powder XRD patterns were collected in the reflectivity geometry within the 20° - 60° 2θ -range (λ =1.5406Å).

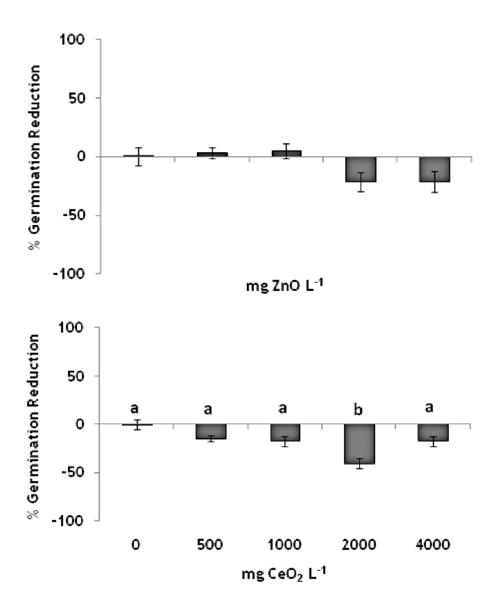


Figure 2 Percent germination reduction of soybean seeds treated with 0-4000 mg/L ZnO or CeO_2 NPs. Data are means \pm SE of three replicates. Lowercases indicate statistically significant differences at P < 0.05.

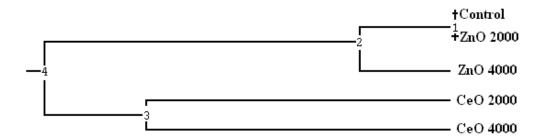


Figure 3 Dendrogram using the UPGMA based on DNA polymorphism among the roots of soybean seedlings treated with 0 (control), 2000, and 4000 mg L^{-1} of ZnO and CeO₂ nanoparticles.